# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 30 May 2022

Version : 23



### SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: SIGMA ECOFLEET 530 BROWN
Product code	: 00146096
Product type	: Liquid.
Other means of identification	on
Not available.	
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Antifouling products
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	the safety data sheet
PPG Sénégal	
BP1107, Dakar Senegal	
Tel: 00221 33 832 3475	
Fax: 00221 33 832 0973	
e-mail address of person responsible for this SDS	: PS.ACEMEA@ppg.com
1.4 Emergency telephone number	: ORFILA (INRS) 0033 (0)1 45 42 59 59 / 00221 33 832 3475

### **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Fam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361d Aquatic Acute 1, H400 Aquatic Chronic 1, H410 The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Conforms to Regulation (EC)	No. 1907/2006 (REACH), Annex II
Code : 00146096	Date of issue/Date of revision : 30 May 2022
SIGMA ECOFLEET 530 BROV	VN
SECTION 2: Hazards	identification
Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>Mammable liquid and vapour. Harmful if swallowed or if inhaled. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of damaging the unborn child. Very toxic to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	: Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	: Collect spillage. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	: Not applicable.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	<ul> <li>dicopper oxide rosin</li> <li>5-methylhexan-2-one</li> <li>4,5-dichloro-2-octyl-2H-isothiazol-3-one</li> <li>1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene</li> <li>Cashew, nutshell liq.</li> <li>octhilinone (ISO)</li> </ul>
Supplemental label elements	: Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	<u>ients</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvE
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

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SIGMA ECOFLEET 530 BROWN

: 00146096

### **SECTION 3: Composition/information on ingredients**

: Mixture

#### 3.2 Mixtures

Code

Product/ingredient name	Identifiers	% by weight	<u>Classification</u> Regulation (EC) No. 1272/2008 [CLP]	Туре
dícopper oxide	REACH #: 01-2119513794-36 EC: 215-270-7 CAS: 1317-39-1 Index: 029-002-00-X	≥25 - ≤50	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	[1]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≥10 - ≤25	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
rosin	REACH #: 01-2119480418-32 EC: 232-475-7 CAS: 8050-09-7 Index: 650-015-00-7	≥10 - ≤25	Skin Sens. 1, H317	[1] [2]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥5.0 - ≤10	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	[1] [2]
5-methylhexan-2-one	REACH #: 01-2119472300-51 EC: 203-737-8 CAS: 110-12-3 Index: 606-026-00-4	≥5.0 - ≤10	Flam. Liq. 3, H226 Acute Tox. 4, H332 Repr. 2, H361d (inhalation)	[1] [2]
4,5-dichloro-2-octyl-2H-isothiazol- 3-one	EC: 264-843-8 CAS: 64359-81-5 Index: 613-335-00-8	≥1.0 - ≤4.3	Àcute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤5.0	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
copper(II) oxide	REACH #: 01-2119502447-44 EC: 215-269-1 CAS: 1317-38-0 Index: 029-016-00-6	≥1.0 - ≤5.0	Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)	[1]
copper	REACH #: 01-2119480154-42 EC: 231-159-6 CAS: 7440-50-8	<1.0	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	[1]
1,3-bis[12-hydroxy-octadecamide- N-methylene]-benzene	REACH #: 01-2119962189-26 EC: 423-300-7 CAS: 911674-82-3	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413	[1]
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<b>SECTION 3: Compo</b>	osition/information o	n ingredients		
Cashew, nutshell liq.	Index: 616-198-00-2 EC: 232-355-4 CAS: 8007-24-7	<1.0	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317	[1]
lead monoxide	EC: 215-267-0 CAS: 1317-36-8 Index: 082-001-00-6	≤0.10	Acute Tox. 4, H302 Acute Tox. 4, H332 Repr. 1A, H360Df STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	[1] [2]

#### See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

#### SUB codes represent substances without registered CAS Numbers.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	<ul> <li>If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### 4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects	
Eye contact :	Causes serious eye damage.
Inhalation :	Harmful if inhaled.
Skin contact :	Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion :	Harmful if swallowed.
Over-exposure signs/symptor	<u>ns</u>

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SECTION 4: First	aid measures		
Eye contact	: Adverse sympton pain watering redness	ns may include the following:	
Inhalation	: Adverse sympton reduced foetal we increase in foetal skeletal malforma	Ideaths	
Skin contact	: Adverse symptom pain or irritation redness dryness cracking blistering may oc reduced foetal we increase in foetal skeletal malforma	eight I deaths	
Ingestion	: Adverse sympton stomach pains reduced foetal we increase in foetal skeletal malforma	deaths	

# 4.3 Indication of any immediate medical attention and special treatment needed Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed.

Notes to physician	. In case of initial ation of decomposition products in a fire, symptoms may be delayed.
	The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

## **SECTION 5: Firefighting measures**

5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides oxides of lead
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

### **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

<ul> <li>Protective measures</li> <li>Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be</li> </ul>
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English (GB)

Senegal

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### SECTION 7: Handling and storage

	hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

### **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
Rosin	Ministry of Labor (France, 12/2020).
	TWA: 0.1 mg/m <sup>3</sup> , (expressed as formaldehyde) 8 hours.
xylene	Ministry of Labor (France, 12/2020). Absorbed through skin.
	STEL: 442 mg/m <sup>3</sup> 15 minutes. Form: Risk for sensitisation
	STEL: 100 ppm 15 minutes. Form: Risk for sensitisation
	TWA: 221 mg/m <sup>3</sup> 8 hours. Form: Risk for sensitisation
	TWA: 50 ppm 8 hours. Form: Risk for sensitisation
5-methylhexan-2-one	Ministry of Labor (France, 12/2020). Absorbed through skin.
	STEL: 475 mg/m <sup>3</sup> 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 95 mg/m <sup>3</sup> 8 hours. Form: Risk for sensitisation
	TWA: 20 ppm 8 hours. Form: Risk for sensitisation
ethylbenzene	Ministry of Labor (France, 12/2020). Absorbed through skin.
	STEL: 442 mg/m <sup>3</sup> 15 minutes. Form: Risk for sensitisation
	STEL: 100 ppm 15 minutes. Form: Risk for sensitisation
	TWA: 88.4 mg/m <sup>3</sup> 8 hours. Form: Risk for sensitisation
	TWA: 20 ppm 8 hours. Form: Risk for sensitisation
lead monoxide	Ministry of Labor (France, 12/2020).
	TWA: 0.1 mg/m³, (as Pb) 8 hours.

Conforms to Regulation (EC	) No	. 1907/2006 (REACH), Annex II					
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SIGMA ECOFLEET 530 BRC							
SECTION 8: Exposu	ire	controls/personal protection					
Recommended monitoring procedures	<b>j</b> :	this product contains ingredients with exposure limits, personal, workplace tmosphere or biological monitoring may be required to determine the effectiveness of ne ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the bollowing: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit alues and measurement strategy) European Standard EN 14042 (Workplace ttmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace ttmospheres - General requirements for the performance of procedures for the neasurement of chemical agents) Reference to national guidance documents for nethods for the determination of hazardous substances will also be required.					
8.2 Exposure controls							
Appropriate engineering controls	:	Use only with adequate ventilation. Use proce other engineering controls to keep worker expor- recommended or statutory limits. The engineer vapour or dust concentrations below any lower ventilation equipment.	osure to airborne contaminants ring controls also need to keep	below any gas,			
Individual protection meas	<u>ures</u>						
Hygiene measures	:	Wash hands, forearms and face thoroughly aft eating, smoking and using the lavatory and at the Appropriate techniques should be used to reme Contaminated work clothing should not be allow contaminated clothing before reusing. Ensure showers are close to the workstation location.	the end of the working period. ove potentially contaminated cl wed out of the workplace. Was	othing. sh			
Eye/face protection <u>Skin protection</u>		Chemical splash goggles and face shield.					
Hand protection		Chemical-resistant, impervious gloves complyi worn at all times when handling chemical produ- necessary. Considering the parameters specif during use that the gloves are still retaining the noted that the time to breakthrough for any glo glove manufacturers. In the case of mixtures, protection time of the gloves cannot be accurate frequently repeated contact may occur, a glove (breakthrough time greater than 480 minutes a When only brief contact is expected, a glove w (breakthrough time greater than 30 minutes ac The user must check that the final choice of typ product is the most appropriate and takes into as included in the user's risk assessment.	ucts if a risk assessment indica- ied by the glove manufacturer, ir protective properties. It shou- ve material may be different for consisting of several substance tely estimated. When prolonge with a protection class of 6 according to EN 374) is recommendation ith a protection class of 2 or hig cording to EN 374) is recommendation be of glove selected for handlin	tes this is check ild be different es, the d or nended. gher ended. g this			
Gloves	:	butyl rubber					
Body protection	:	Personal protective equipment for the body sho performed and the risks involved and should be handling this product. When there is a risk of i static protective clothing. For the greatest prot should include anti-static overalls, boots and gl 1149 for further information on material and de	e approved by a specialist befo gnition from static electricity, w ection from static discharges, c oves. Refer to European Stan	re ear anti- lothing dard EN			
Other skin protection	:	Appropriate footwear and any additional skin p based on the task being performed and the risl specialist before handling this product.					
Respiratory protection	:	Respirator selection must be based on known hazards of the product and the safe working lin are exposed to concentrations above the expo certified respirators. Use a properly fitted, air-p with an approved standard if a risk assessmen	nits of the selected respirator. sure limit, they must use appro purifying or air-fed respirator co	lf workers priate,			
		English (GB)	Senegal	8/17			
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<b>Conforms to Regulation (EC)</b>	No. 1907/2006 (REACH), Annex II						
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SECTION 8: Exposure controls/personal protection							
Environmental exposure controls	: Emissions from ventilation or work process equipment should they comply with the requirements of environmental protection cases, fume scrubbers, filters or engineering modifications to will be necessary to reduce emissions to acceptable levels.	legislation. In some					

### **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

#### 9.1 Information on basic physical and chemical properties

9.1 Information on basic physical	l a	nd chemical propert	ies					
Appearance								
Physical state	:	Liquid.						
Colour	1	Brown.						
Odour	1	Aromatic.						
Odour threshold	1	Not available.						
рН	:	insoluble in water.						
Melting point/freezing point	:	May start to solidify a data for the following (-123.8°F)						
Initial boiling point and boiling range	:	>37.78°C						
Flash point	1	Closed cup: 30°C						
Evaporation rate	:	Highest known value butyl acetate	: 0.84 (et	nylbenzei	ne) Weight	ted avera	age: 0.65co	mpared with
Flammability (solid, gas)	:	liquid						
Upper/lower flammability or explosive limits	1	Greatest known range: Lower: 1.8% Upper: 9% (5-methylhexan-2-one)						
Vapour pressure	1	: Ingredient name	Vapour Pressure at 20°C Vapour pressure at 50°				sure at 50°C	
			mm Hg	kPa	Method	mm Hg	kPa	Method
		ethylbenzene	9.3	1.2				
Vapour density	:	Highest known value 3.78 (Air = 1)	: 3.9 (Air	= 1) (5-r	nethylhexa	in-2-one)	). Weighted	l average:
Relative density	:	1.92						
Solubility(ies)	:	Insoluble in the follow	ving mate	rials: colo	d water.			
Partition coefficient: n-octanol/ water	:	Not applicable.						
Auto-ignition temperature	:	Ingredient name		°C	°F		Method	
		5-methylhexan-2-one		400	752		EU A.15	
Decomposition temperature		Stable under recomn	nended st	orage an	d handling	conditio	ns (see Sec	tion 7).
Viscosity		Kinematic (40°C): >2						
Explosive properties		Product does not pre		xplosion	hazard.			
Oxidising properties		Product does not pre		•				
	-							

#### 9.2 Other information

No additional information.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II										
Code : 00146096	Date of issue/Date of revision : 30 May 2022									
SIGMA ECOFLEET 530 BROV	VN									
SECTION 10: Stability and reactivity										
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.									
10.2 Chemical stability	: The product is stable.									
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.									
10.4 Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.									
10.5 Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.									
10.6 Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides halogenated compounds metal oxide/ oxides									

### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
dícopper oxide	LC50 Inhalation Dusts and	Rat	3.34 mg/l	4 hours
	mists			
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	500 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and	Rat	>5700 mg/m <sup>3</sup>	4 hours
	mists		_	
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
rosin	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	7600 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
5-methylhexan-2-one	LC50 Inhalation Gas.	Rat	5000 ppm	4 hours
-	LD50 Dermal	Rabbit	8.14 g/kg	-
	LD50 Oral	Rat	5657 mg/kg	-
4,5-dichloro-2-octyl-2H-isothiazol-3-one	LC50 Inhalation Dusts and	Rat	0.16 mg/l	4 hours
	mists			
	LD50 Dermal	Rabbit	3.9 g/kg	-
	LD50 Oral	Rat	567 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
copper oxide	LD50 Oral	Rat	>2000 mg/kg	-
copper	LC50 Inhalation Dusts and	Rat	>5.11 mg/l	4 hours
	mists		_	
Reaction products of	LC50 Inhalation Dusts and	Rat	>5.08 mg/l	4 hours
12-hydroxyoctadecanoic acid and	mists		_	
octadecanoic acid and				
1,3-phenylenedimethanamine				

**Conclusion/Summary** 

: There are no data available on the mixture itself.

Acute toxicity estimates

English (GB)

### **SECTION 11: Toxicological information**

Route	ATE value
Øral	1238.16 mg/kg
Dermal	13424.38 mg/kg
Inhalation (gases)	71793.45 ppm
Inhalation (vapours)	111.99 mg/l
Inhalation (dusts and mists)	3.73 mg/l

#### Irritation/Corrosion

Product/ingredient r	name	Res	ult	Species	Score	Exposure	Observation	
<b>x</b> ylene		Skin - Modera	ate irritant	Rabbit	-	24 hours 500 mg	-	
Conclusion/Summary								
Skin	: There are	no data availa	ble on the n	nixture itself	f.			
Eyes	: There are	no data availa	ble on the n	nixture itself	f.			
Respiratory	: There are	no data availa	ble on the n	nixture itself	f.			
<u>Sensitisation</u>								
Conclusion/Summary								
Skin	: There are	no data availa	able on the i	mixture itse	lf.			
Respiratory	: There are	no data availa	able on the i	mixture itse	lf.			
<u>Mutagenicity</u>								
Conclusion/Summary	: There are	no data availa	able on the i	mixture itse	lf.			
Carcinogenicity								
Conclusion/Summary	: There are no data available on the mixture itself.							
Reproductive toxicity								
Product/ingredient name	Maternal	Fertility	Developm	ental	Specie	s Dose	Exposure	

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
5-methylhexan-2-one	-	-	Equivocal		Inhalation: 1250 ppm	-

Conclusion/Summary : There are no data available on the mixture itself.

#### **Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
4,5-dichloro-2-octyl-2H-isothiazol-3-one	Category 3		Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
	Category 2 Category 2		hearing organs -

#### **Aspiration hazard**

Product/ingredient name	Result
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

: Not available. Information on likely

#### routes of exposure

#### Potential acute health effects

English (GB)

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SIGMA	EC	OFI	_EE	1 530	BR		
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	5
Inhalation	: Harmful if inhaled.
Ingestion	: 📕 armful if swallowed.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Eye contact	: Causes serious eye damage.
Symptoms related to the ph	nysical, chemical and toxicological characteristics
Inhalation	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	: Adverse symptoms may include the following: pain watering redness
Short term exposure	ects as well as chronic effects from short and long-term exposure
Potential immediate effects	: Not available.
Potential delayed effects Long term exposure	: Not available.
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effo	<u>ects</u>
Not available.	
Conclusion/Summary	: Not available.
General	<ul> <li>Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.</li> </ul>
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: Suspected of damaging the unborn child.
Other information	: Not available.
Prolonged or repeated contac	t may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

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### **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
dícopper oxide	LC50 0.003 mg/l	Fish	96 hours
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l	Daphnia - Daphnia	48 hours
	Fresh water	magna - Neonate	
	Chronic NOEC 0.017 mg/l	Algae	72 hours
	Fresh water		
5-methylhexan-2-one	Acute LC50 159 mg/l	Fish	96 hours
4,5-dichloro-2-octyl-2H-isothiazol-3-one	Acute EC50 267.368 µg/l	Algae - Nitzschia	96 hours
	Marine water	pungens	
	Acute LC50 0.318 mg/l	Crustaceans -	48 hours
	Marine water	Artemia sp.	
	Acute LC50 0.0027 mg/l	Fish	96 hours
	Fresh water		
	Chronic NOEC 19.789 µg/l	Algae - Nitzschia	96 hours
	Marine water	pungens	
	Chronic NOEC 0.00056 mg/l	Fish	97 days
	Fresh water		
ethylbenzene	Acute EC50 1.8 mg/l Fresh	Daphnia	48 hours
	water		
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
copper	Acute LC50 810 ppb	Fish	96 hours
Reaction products of 12-hydroxyoctadecanoic acid	Acute LC50 >100 mg/l	Fish	96 hours
and octadecanoic acid and			
1,3-phenylenedimethanamine			

**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum	
5-methylhexan-2-one ethylbenzene	OECD 301D -	67 % - Readily - 28 day 79 % - Readily - 10 day		-		-	
Conclusion/Summary : There are no data available on the mixture itself.							
Product/ingredient name	Aquatic half-life	Photo	Photolysis		Biodegradability		
vylene 5-methylhexan-2-one ethylbenzene		- - -	- - -	- - -		Readily Readily Readily	

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>P</b> osin	1.9 to 7.7	-	high
xylene	3.12	7.4 to 18.5	low
5-methylhexan-2-one	1.88	-	low
ethylbenzene	3.6	79.43	low
Cashew, nutshell liq.	>4.78	-	high

#### 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

#### Mobility

: Not available.

English (GB)

### SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

: No known significant effects or critical hazards. 12.6 Other adverse effects

### SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### **13.1 Waste treatment methods**

#### **Product**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. : Yes.

**Hazardous waste** 

#### European waste catalogue (EWC)

Waste code	Waste designation				
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances				
Packaging					
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste				

packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)			
Container	15 01 06 mixed packaging			
Special precautions	taken when Empty conta residues ma Do not cut, v	al and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. ainers or liners may retain some product residues. Vapour from product ay create a highly flammable or explosive atmosphere inside the container. weld or grind used containers unless they have been cleaned thoroughly would dispersal of spilt material and runoff and contact with soil, waterways, sewers.		

### **SECTION 14: Transport information**

	ADR/RID	IMDG	ΙΑΤΑ
14.1 UN number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	Ш	III	
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(dicopper oxide, zinc oxide)	Not applicable.

Conforms to Re	egulation (EC) No. 1907/2006 (R	REACH), Annex II	
Code :	00146096	Date of issue/Date of revision	: 30 May 2022
SIGMA ECOFLE	EET 530 BROWN		
<b>SECTION 1</b>	14: Transport informat	ion	
Additional infor	rmation		
ADR/RID	: The environmentally hazard ≤5 kg.	dous substance mark is not required when trans	ported in sizes of ≤5 L or
Tunnel code	: (D/E)		
IMDG	: The marine pollutant mark i	is not required when transported in sizes of ≤5 L	. or ≤5 kg.
ΙΑΤΑ	: The environmentally hazard regulations.	dous substance mark may appear if required by	other transportation
14.6 Special pro user	upright and se	thin user's premises: always transport in close ecure. Ensure that persons transporting the prod ccident or spillage.	
14.7 Transport according to IM instruments		Э.	

### **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

#### Annex XIV - List of substances subject to authorisation

#### Annex XIV

None of the components are listed.

Substances of very high concern

Intrinsic property	Ingredient name	Status		Date of revision
Toxic to reproduction	lead monoxide; lead oxide	Recommended	ED/49/2014	11/10/2016

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

#### Other national and international regulations.

#### Ozone depleting substances (1005/2009/EU)

Not listed.

Social Security Code, Articles L 461-1 to L 461-7	: Rosin xylene	RG 65, RG 66 RG 4bis, RG 84	[1]
	5-methylhexan-2-one	RG 84	
	ethylbenzene	RG 84	
	lead monoxide	RG 1	[2]
	Surveillance médicale spéciale selon l'arrêté du 11 juillet 1977: [1] Benzène et homologues [2] Plomb et ses composés Pour les applications des peintures et vernis par pulvérisation		
Reinforced medical surveillance	: Act of July 11, 1977 determining the list of activities which require reinforced medical surveillance: not applicable		

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II						
Code	: 00146096	Date of issue/Date of revision	: 30 May 2022			
SIGMA ECOP	FLEET 530 BRO	WN				
SECTION 15: Regulatory information						
Reference	95	<ul> <li>Reinforced medical surveillance ; Decree no. 2001-97 of 1 February 2001 establishing specific rules for the prevention of risks from carcinogens, mutagens and reprotoxics and amending the Labour code ; Decree no. 2003-1254 of 23 December 2003 relating to prevention of chemical risks and amending the Labour code ; Decree no. 2004-187 of 26 February 2004 on the placing on the market of biocidal products ; Decree no. 88-1231 of 29/12/1988 relating to poisonous preparations and substances. ; Decree no. 95-517 of 15 May 1997, relating to the classification of dangerous waste. ; Labour code article: R231-53 ; Labour code: Occupational air (ventilation, air purification): Art. R 232-5 to R 232-5-14 ; Labour code: Prevention of chemical risk: Art.R231-51 and R 231-54 to R 231-54-9 ; Labour code: Prevention of fires: Art.R232-12-13 to R 232-12-29 and R 233-30 ; Labour code: provisions applicable to women: Art. L 234-3 to L 236-6 ; Labour code: provisions applicable to young workers: Art. L 234-3 to L 236-6; Art: R234-16 ; Labour code: Sanitary installations: Art. R 232-2 à R 232-2-7 ; Law 76-663 of 19 July</li> </ul>				

**15.2 Chemical safety** 

: No Chemical Safety Assessment has been carried out.

1976 amending and implementing decree of 21 September 1977 relating to classified installations for the protection of the environment ; Tables of anticipated

professional diseases according to article R461-3 of the labour code

assessment

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.					
Abbreviations and	: ATE = Acute Toxicity Estir				
acronyms	CLP = Classification, Labe 1272/2008] DNEL = Derived No Effect EUH statement = CLP-spe PNEC = Predicted No Effect	lassification, Labelling and Packaging Regulation [Regulation (EC) No. 08] Derived No Effect Level tement = CLP-specific Hazard statement Predicted No Effect Concentration			
	RRN = REACH Registration Number				
Full text of abbreviated H statements	H226 Flammable liqui H302 Harmful if swallo H304 May be fatal if s	owed. wallowed and enters airways.			
	H312 Harmful in conta H314 Causes severe				
	H315 Causes skin irrit	skin burns and eye damage. tation			
		Illergic skin reaction.			
	H318 Causes serious				
	H319 Causes serious				
	H330 Fatal if inhaled.				
		Harmful if inhaled.			
		May cause respiratory irritation. May damage the unborn child. Suspected of damaging fertility.			
	, , , , , , , , , , , , , , , , , , , ,				
	H400 Very toxic to aqu	uatic life.			
		uatic life with long lasting effects.			
	H412 Harmful to aqua	atic life with long lasting effects.			
		lasting harmful effects to aquatic life.			
	EUH071 Corrosive to the	e respiratory tract.			
Full text of classifications [CLP/GHS]	: Acute Tox. 2 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Aquatic Chronic 4 Asp. Tox. 1 Eye Dam. 1	ACUTE TOXICITY - Category 2 ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1			

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II						
Code : 00146096		Date of issue/Date of revision	: 30 May 2022			
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SECTION 16: Othe	r information					
	Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 1A Repr. 2 Skin Corr. 1 Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1A STOT RE 2 STOT SE 3	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY - Category 1A REPRODUCTIVE TOXICITY - Category 2 SKIN CORROSION/IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3				
History Date of issue/ Date of	: 30 May 2022					
revision	,					
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Prepared by	: EHS					
Version	: 23					

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